

# Mining News Of the Great Southwest

## COMPANIES HAVE 2,000,000 TONS OF ORE IN SIGHT IN BURRO MOUNTAINS

Chemung, Burro Mountain, Savanna and Many Other Companies in the District Are Rushing Work.

I. J. Stauber, manager of the Savanna Copper company, has lately written in the current number of Mines and Metals an interesting description of the Burro Mountain mining district, New Mexico. Among other things he says that the district is 14 miles southwest of Silver City, with which it is connected by two stage lines, making daily trips to and from. The Little Burro mountains are about 5300 feet elevation above sea level, while the Big Burros have an elevation of 5600 feet.

Copper is reported to have been discovered as early as 1871. The district went through many vicissitudes common to western camps. The St. Louis mine was about the only property of any note for

many years, and is said to have produced about \$1,000,000. It now belongs to the Burro Mountain Copper company.

Geology. Northeast of the Burro mountain district is the broad Mangus valley, flanked on the east by a precipice. This valley and the Navajo valley, may be the result of a fault plain, but is believed to be due to erosion. On the west of this fault is a large area of water-deposited material of considerable thickness. To the west the district is generally marked by an iron oxide, cemented on the west along Dead Man canyon proper. The Savanna Copper company's "C" shaft has penetrated 125 feet through this material and proved it to be dipping northeast 60 degrees.

On the south side of the canyon and on the west along Dead Man canyon erosion has exposed blottite granites. These boundaries mark the outer edges of the area now under extensive development. This granite core was cut by a series of andesite dykes, forming broad fracture zones, which were probably the beginning of the period of mineralization. The richest zones are in the kaolinized portion. In places they

have yielded considerable copper carbonates.

There are a number of large, apparently fissure veins, running generally east and west from six to 10 feet wide.

**Sulphide Zone.** In the early days only the rich deposits of surface carbonate ores were sought, but at present attention is given to the deposits of the enriched sulphide zone.

These sulphide ores occur as a chalcocite, disseminated through a kaolinized granitic mass, seemingly an enrichment by descending solutions from the original ore, a cupriferous pyrite. Here pyrite carrying only a trace of copper is often found adjacent to the richest sulphides.

The water level is about 300 feet below the surface, but sulphides are occasionally found on the surface, while leached areas are met at the depth of 800 feet in the Chemung shaft No. 2, indicating considerable leaching action and that the zone of secondary enrichment will be at considerable depth.

**Operating Companies.** The National Copper company, operating in the northwest part of the district has developed chalcopyrites in granite, while the Savanna Copper company in shaft "B" has encountered some galena at 150 feet depth. The Azure Mining company on the north has developed a large turquoise mine, along an unaltered zone in the granite.

Up to three or four years ago there was no very extensive development work in the district. At this time the Chemung Copper company, the Burro Mountain Copper company and the Savanna Copper company hold the best developed properties. The two first named each have nearly six miles of development and a reported ore tonnage of over 2,000,000 tons. The average grade of the ore is 3 to 3.12 percent copper, but large masses are found running from 1 to 3 percent, with occasional bunches of 20 percent copper.

The Old Virginia mine in 1907 shipped several thousand tons of ore averaging 10 percent copper. The Chemung mine is now being developed by the Chemung Copper company, the Burro Mountain Copper company and the Savanna Copper company. The two first named each have nearly six miles of development and a reported ore tonnage of over 2,000,000 tons. The average grade of the ore is 3 to 3.12 percent copper, but large masses are found running from 1 to 3 percent, with occasional bunches of 20 percent copper.

**Development Work.** The Mangus Development company, recently organized is prospecting with chert drills.

The Burro mountain copper is operating a 250 foot shaft, and has been making considerable development work. The shaft is inclined to the east, but a saving can be made of about 75 percent, concentrating about nine and a half to one. Concentrates run about 20 to 24 percent copper, 35 percent silver, and an appreciable amount of gold and silver.

Shaft No. "C" of the Chemung has reached 800 feet depth, but otherwise the average depth is from 250 to 300 feet.

Some ore has been stopped by the square set system, but probably the caving system will be adopted in the future. Very little drilling has been done in the past for prospecting, but chert drilling seems to be gaining favor, and should be a cheap and quick method of testing the large area of ground. Any system of drilling tried so far has so far proved a failure, the shattered condition of the ore bodies not permitting the recovery of the core.

### RICH STRIKE IS MADE NEAR GLOBE

Ore Carrying 40 Percent Copper and Much Silver Uncovered.

Globe, Ariz., Jan. 25.—A sensational strike of copper and silver was made in the Kepler group of claims when a two and a half foot vein of ore carrying 40 percent copper, and from 1000 to 2000 ounces in silver was discovered. The vein was encountered in a drift leading from the bottom of a 40 foot shaft and gives every indication of permanency and increasing width.

Samples of the ore displayed in the city created great interest in mining circles and the opinion prevails that another big producer has been discovered.

The Kepler group of claims is located about seven and a half miles northeast of this city and in a district famous in the early days for silver production and today known as the richest copper section in this district. The discovery is on what is known as the Yuma fault and the rich ore exposed is within 1500 feet of an extension of the same ledge in which \$300,000 in silver was taken out when this district was known as a silver camp.

**PENNSYLVANIANS TO WORK ARIZONA MINES.** Shaft on Paradise Property is Down to 160 Feet—Notes of the Bisbee District.

Bisbee, Ariz., Jan. 28.—It is announced from Pittsburgh, Pa., that a mining company will be incorporated very soon according to the laws of that state for the development of five claims in Santa Cruz county, Ariz. The owner of the claims is W. B. Williams, an expert miner from Pittsburgh, who assures that ore bodies of high value in gold, silver and copper will be yielded by the claims in question.

A depth of 160 feet has been reached in the shaft of the Morrow & Chamberlain property in Paradise. Drifting northward has been from the bottom of the shaft. Frank S. Hayward, a banker of Vinson, Ia., is interested in this property. The first ore bodies were encountered in the mine at the 40 foot level. It is a typical copper proposition, being the copper found together with gold and some silver and without the slightest trace of lead and zinc.

R. P. Bland has purchased John Moore's interest in the bond on the Scott & Crawford. The property in question consists of a mine, the ore of which runs fair in copper and silver, carrying carbonates and galena, and about three feet in width has been encountered and is being worked as fast as possible.

**MEXICO ZINC TO BE IMPORTED AT MARATHON.** San Antonio, Tex., Jan. 28.—W. J. Howe, collector of customs at Eagle Pass, has returned from Washington, where he had been in connection with the establishment of a sub-board at Boquillas to handle the importation of zinc to the United States. It is understood that such action is made necessary by the preparations of the Det. Carmon Mining company to operate the zinc mines in Boquillas and to bond a fraction line from Boquillas to Marathon.

A warehouse system will be established where the zinc ore will be deposited by means of a cable, six miles from the Mexican to the American side, carrying baskets weighing 400 pounds each.

## TREASURY MINE HAS ORE BLOCKED OUT AT CHLORIDE

Shaft Is Connected With White Eagle—Machinery For Keystone.

Chloride, N. M., Jan. 28.—Level No. 1 in the U. S. Treasury mine has been completed to connect with White Eagle shaft No. 1, about 200 feet north, and the upraise from the end of this drift has broken through and has connected with the bottom of White Eagle shaft No. 1. This work places in sight in the mine a block of ground which will yield, according to engineers' estimates, between 50,000 and 60,000 tons of milling ore, which should show a gross value of close to \$500,000.

The making of this connection gives the mine plenty of air and an excellent circulation throughout the workings, thus permitting sinking, which is now in progress. The bottom of the U. S. Treasury shaft is now close to the 200 foot point, where a station will be cut and exploration will be begun to determine the extent of the ore body encountered at a depth of 108 feet. The sinking of the shaft will be continued steadily until the 200 foot point is reached, and then level No. 2 will be driven north to connect with the White Eagle shaft. After the completion of this work the company expects to erect a treatment plant.

**Keystone Machinery.** Hyron L. Morrison, of Colorado Springs, who holds a lease on the Keystone, in the north end of the district, has arrived with his entire plant of machinery after having lost everything except his crusher in a freight wreck. New boiler, engine and other machinery were immediately purchased at El Paso, and this has arrived at the property and will be in operation soon.

One production is expected within a few weeks, as the Keystone property shows a fine body of ore, and the operators on the first adjoining property on the north are understood to be sacking \$200 ore almost at the Keystone end line. Mr. Morrison is testing a crusher, which, if successful, will probably be an important factor in the operation of many properties in this district.

**Examine Properties.** Willis G. Moore, consulting engineer for the U. S. Treasury company, is here making his annual examination of the company's properties and work done, and conferring with the company's local representatives, Allen Falconer and Edward James, relative to the work for the next year.

Charles Schiele, of Colorado Springs, is in the district, making a general examination of the mines and conditions here.

C. R. Boynton, a mining engineer from Montana, is at Fluorine, looking over some properties in the north end of the camp. It is understood that he expects William D. Blackmer soon. Mr. Blackmer is a former superintendent of the Tramps Consolidated property at Rhyolite, Nevada, and was associated with some of the present directors of the Ray Consolidated company, and other of the big "porphyry" copper properties.

## Acid Dyspepsia

Nervous People Are Frequent Sufferers From Too Much Hydrochloric Acid in the Stomach.

**A Trial Package of Stuart's Dyspepsia Tablets Sent Free.**

"Sour stomach," or acid dyspepsia is a form of indigestion in which entirely too much hydrochloric acid is secreted by the stomach. A sour taste in the mouth is the most common symptom of acid dyspepsia, and the saliva, which is normally alkaline, is found, when tested, to be changed to acid, or just the opposite of what it should be, and is a state of the secretion which causes rapid and extensive destruction of the teeth.

Everything eaten turns more or less sour in the stomach, but sweets and acid fruits are far worse in this respect than other foods. If the secretion of hydrochloric acid from the stomach occurs, they have such an extremely sour taste as to set the teeth on edge. Hydrochloric acid is an important constituent in the gastric juice, but when too much of it is secreted, it does positive harm to the mucous lining of the stomach; and when acid dyspepsia is long continued it often sets up chronic gastritis, gastric ulcer, and even serious diseases. The premature loss of all the teeth has been caused by acid saliva, which was dependent upon the excessively acid condition of the stomach.

**STUART'S DYSPEPSIA TABLETS**, besides furnishing astringent, astringent to the stomach to dilute the excess of hydrochloric acid, and to digest proteins and albuminous foods very thoroughly, also contain bismuth subnitrate and calcium carbonate, which are antagonistic to the acid, and therefore neutralize the effect of the excessive amount of acid in the stomach, and the continued use of these tablets will change the perverted condition of the secretions to a normal state.

If you are suffering from "hyperchlorhydria," as physicians term it, or in other words, acid dyspepsia, and experience a sour taste in the mouth, with acid eructations or heartburn, begin at once the use of Stuart's Dyspepsia Tablets, using one or two after each meal, or as may be required, and the same quantity at retiring time, for if this trouble is allowed to run on, it may cause serious organic changes in the stomach. There are cases on record where the tipping of the stomach has been completely eaten away through perverted action of the secretions.

Stuart's Dyspepsia Tablets have been tried in all forms of indigestion and dyspepsia, with unfailing success, so that no matter which form you may be suffering from, the quickest way to bring about a cure is through the use of these powerful stomach tablets.

## HAMMOND MAY BUY KINGMAN PROPERTY

Chloride and Other Camps in the District Are Active.

Kingman, Ariz., Jan. 28.—E. M. Lamont, manager of the Bimetal mine, has again been called to Los Angeles by a telegram from B. F. Kelth, engineer for John Hays Hammond. The Bimetal is a large deposit of low grade gold ore, about three miles south from Kingman, and has been under bond to Mr. Hammond for several months past.

Mr. Lamont returned from a conference with the Hammond representatives in Los Angeles only about a week ago with the information that the deal was off. The mine had held up to a most rigid examination of several months by a corps of expert engineers and geologists, but the price had been the obstacle to the conclusion of the transfer.

With the idea that the deal was indeed off, Mr. Lamont was busily engaged in preparations for the immediate enlarging of the Bimetal mill by 30 stamps and four Huntington, when he received the Kelth message. When seen just before he left for Los Angeles, he was confident that the object of the call was the adjustment of the price question, and he believed it would be satisfactory.

**Chloride Camp.** With the rising up of the Tennessee boilers and the proposed changes in the railroad, the Chloride camp is active. The Santa Fe has completed a preliminary survey for a spur from its present terminal to the Tennessee mine, and it will in all probability be built at once.

The tailing dumps of this mine consist of about 20,000 tons, which assay \$4.50 in gold and silver, and 16.12 percent in zinc, and it is the intention of the management to ship these to Needles, where the new concentrator and zinc separators are to be built. The hoisting of water has been begun, and timbering is being hauled, so that the work of repairing the shaft will keep pace with the lowering of the water.

The railroad has also selected a site for a station, and if terms can be agreed upon the present depot, which is several miles away, will be moved into the town, and so do away with an unnecessary wagon haul.

The Rainbow and Craft mines are being equipped with new gasoline hoists.

and the Kemple mine is being thoroughly sampled by a series of mill runs under the direction of superintendent Dawe.

**Outman District.** August Just has bonded his prospects adjoining the Carter mine, in the Outman district, to a company of Prescott men, represented by F. M. Drescher, and work has been commenced in building roads and in grading for a hoist, preparatory to sinking 300 feet.

The latest transfer in the district is that of three claims at Boundary Cone, near the lower mine, by Van Zant and Carter to a party of Long Beach men for real estate in that city. In the same vicinity Bassett and McCann have uncovered a ledge from four to 10 feet wide, all of which pans well.

The recent strike in the Sunnyside shaft No. 2, at a depth of 90 feet, continues to improve, and the four feet of ledge in the bottom now assay \$28.

The Woods company is building wagon roads and telephone lines, and is grading for buildings on its Nixie and other properties.

**ENGLISH CAPITALISTS AFTER TOPIA CLAIMS.** American Miner Acquires New Property in the Descubridora District of Mexico.

Torreon, Mexico, Jan. 28.—Alfred J. Griffin, a prominent English mining man of the state of Durango, has recently applied for title to 16 mining claims in the district of Topia. The group lies adjoining the Pensamiento mines which carry high values in gold and silver. These mines belong to the Durango Mines company, which is doing considerable work in the vicinity of Topia. The principal stockholders of this company are English capitalists, who are preparing to enlarge their holdings and do extensive development work this year.

George B. Smith, the well known American miner who has for a number of years been developing mines in the Descubridora district, has taken up a new group of claims consisting of 26 pertenencias near the Pelaya ranch. The newly denounced mines are traversed by several well defined veins carrying silver, lead and copper, and as soon as titles are received development work will be carried on extensively.

**OWNER OF NEW MEXICO ZINC MINES VISITS EL PASO.** D. S. Miller, of Lake Valley, N. M., is at the Sheldon, having come to El

Paso on some important mining business, and will return home this evening. Mr. Miller has been in the general merchandise business at Lake Valley for 25 years. He is the owner of some of the largest zinc mines in that territory, besides owning a number of mining properties in the Black range. He stated that all the old mines are being started again and that that section is being visited by mining men from every section of the country.

## ORDERS FIXTURES FOR NEW EL PASO BANK

A. F. Kerr, cashier of the Silver City National bank, who is at the head of the new state bank that is to be opened in El Paso, left last evening for Dallas to purchase the vault and safes for the concern.

Mr. Kerr says the capital stock of the company, \$100,000, is oversubscribed considerably.

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**Ten-inch Records**  
60000 I've Something in the Bottle for the Morning  
60001 I Love a Lassie (My Scotch Bluebell)  
60002 Stop Yer Ticklin', Jock  
60003 Taborery  
60004 Wearing Kilts (That's the Reason Noo' I Wear a Kilt)

**Twelve-inch Records**  
70000 Foo' and Noo' (I've Something in the Bottle)  
70001 He Was Very Kind to Me  
70002 I Love a Lassie (My Scotch Bluebell)  
70003 MacGregor's Toast  
70004 Rob Roy Macintosh  
70005 Safest of the Family  
70006 She's Ma Daisy  
70007 Wedding of Lauchie McGraw  
70008 Wedding of Sandy McNab  
70009 When I Get Back Again to Bonnie Scotland

Any Victor dealer will gladly play these records for you. Ask specially to hear "Wearing Kilts" (60004)—Lauder's funny explanation of why he wears a kilt.

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